Marina Botto

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3093594/publications.pdf

Version: 2024-02-01

88	10,265	53794 45	60623 81
papers	citations	h-index	g-index

93	93	93	10409
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Homozygous C1q deficiency causes glomerulonephritis associated with multiple apoptotic bodies. Nature Genetics, 1998, 19, 56-59.	21.4	1,361
2	A Hierarchical Role for Classical Pathway Complement Proteins in the Clearance of Apoptotic Cells in Vivo. Journal of Experimental Medicine, 2000, 192, 359-366.	8.5	696
3	Non-redundant role of the long pentraxin PTX3 in anti-fungal innate immune response. Nature, 2002, 420, 182-186.	27.8	636
4	Role of Surfactant Proteins A, D, and C1q in the Clearance of Apoptotic Cells In Vivo and In Vitro: Calreticulin and CD91 as a Common Collectin Receptor Complex. Journal of Immunology, 2002, 169, 3978-3986.	0.8	495
5	The Role of Complement in the Development of Systemic Lupus Erythematosus. Annual Review of Immunology, 2004, 22, 431-456.	21.8	471
6	Uncontrolled C3 activation causes membranoproliferative glomerulonephritis in mice deficient in complement factor H. Nature Genetics, 2002, 31, 424-428.	21.4	461
7	C1q and Systemic Lupus Erythematosus. Immunobiology, 1998, 199, 265-285.	1.9	370
8	Complement facilitates early prion pathogenesis. Nature Medicine, 2001, 7, 488-492.	30.7	301
9	Antibodies to human serum amyloid P component eliminate visceral amyloid deposits. Nature, 2010, 468, 93-97.	27.8	290
10	C1q, Autoimmunity and Apoptosis. Immunobiology, 2002, 205, 395-406.	1.9	250
11	Amyloid deposition is delayed in mice with targeted deletion of the serum amyloid P component gene. Nature Medicine, 1997, 3, 855-859.	30.7	239
12	C1q Deficiency and Autoimmunity: The Effects of Genetic Background on Disease Expression. Journal of Immunology, 2002, 168, 2538-2543.	0.8	227
13	C1q acts in the tumour microenvironment as a cancer-promoting factor independently of complement activation. Nature Communications, 2016, 7, 10346.	12.8	224
14	Immunoglobulin M Is Required for Protection Against Atherosclerosis in Low-Density Lipoprotein Receptorâ€“Deficient Mice. Circulation, 2009, 120, 417-426.	1.6	221
15	Temporary depletion of complement component C3 or genetic deficiency of C1q significantly delays onset of scrapie. Nature Medicine, 2001, 7, 485-487.	30.7	206
16	Autophagy is activated in systemic lupus erythematosus and required for plasmablast development. Annals of the Rheumatic Diseases, 2015, 74, 912-920.	0.9	203
17	Tissue-Restricted Adaptive Type 2 Immunity Is Orchestrated by Expression of the Costimulatory Molecule OX40L on Group 2 Innate Lymphoid Cells. Immunity, 2018, 48, 1195-1207.e6.	14.3	191
18	Spontaneous Autoimmunity in 129 and C57BL/6 Miceâ€”Implications for Autoimmunity Described in Gene-Targeted Mice. PLoS Biology, 2004, 2, e243.	5.6	170

#	Article	IF	Citations
19	IL-10-producing regulatory B cells induced by IL-33 (BregIL-33) effectively attenuate mucosal inflammatory responses in the gut. Journal of Autoimmunity, 2014, 50, 107-122.	6.5	158
20	Predominant role of IgM-dependent activation of the classical pathway in the clearance of dying cells by murine bone marrow-derived macrophagesin vitro. European Journal of Immunology, 2005, 35, 252-260.	2.9	155
21	Tumor Cells Hijack Macrophage-Produced Complement C1q to Promote Tumor Growth. Cancer Immunology Research, 2019, 7, 1091-1105.	3.4	153
22	C1q as a unique player in angiogenesis with therapeutic implication in wound healing. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4209-4214.	7.1	140
23	Integrin CD11b positively regulates TLR4-induced signalling pathways in dendritic cells but not in macrophages. Nature Communications, 2014, 5, 3039.	12.8	139
24	C1q restrains autoimmunity and viral infection by regulating CD8 ⁺ T cell metabolism. Science, 2018, 360, 558-563.	12.6	133
25	The Inhibiting Fc Receptor for IgG, FcÎ³RIIB, Is a Modifier of Autoimmune Susceptibility. Journal of Immunology, 2011, 187, 1304-1313.	0.8	103
26	Reconstitution of the Complement Function in C1q-Deficient (C1qaâ^'/â^') Mice with Wild-Type Bone Marrow Cells. Journal of Immunology, 2001, 167, 4033-4037.	0.8	101
27	C1q Knock-Out Mice for the Study of Complement Deficiency in Autoimmune Disease. Experimental and Clinical Immunogenetics, 1998, 15, 231-234.	1.2	95
28	T Cellâ€"dependent Immune Response in C1q-deficient Mice: Defective Interferon Î³ Production by Antigen-specific T Cells. Journal of Experimental Medicine, 1998, 187, 1789-1797.	8.5	92
29	Epithelial damage and tissue Î³Î´ T cells promote a unique tumor-protective IgE response. Nature Immunology, 2018, 19, 859-870.	14.5	92
30	Serum Amyloid P Aids Complement-Mediated Immunity to Streptococcus pneumoniae. PLoS Pathogens, 2007, 3, e120.	4.7	87
31	Accelerated Nephrotoxic Nephritis Is Exacerbated in C1q-Deficient Mice. Journal of Immunology, 2001, 166, 6820-6828.	0.8	83
32	Hyposialylated IgG activates endothelial IgG receptor FcÎ³RIIB to promote obesity-induced insulin resistance. Journal of Clinical Investigation, 2017, 128, 309-322.	8.2	82
33	Mechanisms of complement activation by dextran-coated superparamagnetic iron oxide (SPIO) nanoworms in mouse versus human serum. Particle and Fibre Toxicology, 2014, 11, 64.	6.2	79
34	Complement C1q regulates LPS-induced cytokine production in bone marrow-derived dendritic cells. European Journal of Immunology, 2004, 34, 221-230.	2.9	69
35	C3 opsonization regulates endocytic handling of apoptotic cells resulting in enhanced T-cell responses to cargo-derived antigens. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1503-1508.	7.1	65
36	A Targeted Disruption of the Murine Complement Factor B Gene Resulting in Loss of Expression of Three Genes in Close Proximity, Factor B, C2, and D17H6S45. Journal of Biological Chemistry, 1998, 273, 1699-1704.	3.4	60

#	Article	IF	Citations
37	Genetic Dissection of Spontaneous Autoimmunity Driven by 129-Derived Chromosome 1 Loci When Expressed on C57BL/6 Mice. Journal of Immunology, 2007, 178, 2352-2360.	0.8	58
38	Phagocytosis Is the Main CR3-Mediated Function Affected by the Lupus-Associated Variant of CD11b in Human Myeloid Cells. PLoS ONE, 2013, 8, e57082.	2.5	58
39	Longitudinal proteomic profiling of dialysis patients with COVID-19 reveals markers of severity and predictors of death. ELife, 2021, 10, .	6.0	58
40	C1q enhances IFN-Î³ production by antigen-specific T cells via the CD40 costimulatory pathway on dendritic cells. Blood, 2009, 113, 3485-3493.	1.4	57
41	Continual Low-Level Activation of the Classical Complement Pathway. Journal of Experimental Medicine, 2001, 194, 747-756.	8.5	56
42	Type I interferons affect the metabolic fitness of CD8+ T cells from patients with systemic lupus erythematosus. Nature Communications, 2021, 12, 1980.	12.8	56
43	Multi-functional mechanisms of immune evasion by the streptococcal complement inhibitor C5a peptidase. PLoS Pathogens, 2017, 13, e1006493.	4.7	55
44	The Alternative Pathway Is Critical for Pathogenic Complement Activation in Endotoxin- and Diet-Induced Atherosclerosis in Low-Density Lipoprotein Receptorâ€“Deficient Mice. Circulation, 2010, 122, 1948-1956.	1.6	54
45	SLE with C1q deficiency treated with fresh frozen plasma: a 10-year experience. Rheumatology, 2010, 49, 823-824.	1.9	53
46	Complement C1q-induced activation of Î²-catenin signalling causes hypertensive arterial remodelling. Nature Communications, 2015, 6, 6241.	12.8	51
47	PD-1 blockade improves Kupffer cell bacterial clearance in acute liver injury. Journal of Clinical Investigation, 2021, 131, .	8.2	51
48	Altered major histocompatibility complex class II peptide loading in H2-O-deficient mice. European Journal of Immunology, 2000, 30, 2871-2880.	2.9	46
49	Restoration of C1q levels by bone marrow transplantation attenuates autoimmune disease associated with C1q deficiency in mice. European Journal of Immunology, 2004, 34, 3713-3722.	2.9	44
50	Decay-Accelerating Factor Suppresses Complement C3 Activation and Retards Atherosclerosis in Low-Density Lipoprotein Receptor-Deficient Mice. American Journal of Pathology, 2009, 175, 1757-1767.	3.8	41
51	B cell OX40L supports T follicular helper cell development and contributes to SLE pathogenesis. Annals of the Rheumatic Diseases, 2017, 76, 2095-2103.	0.9	41
52	Ultraviolet-Radiation-Induced Keratinocyte Apoptosis in C1q-Deficient Mice. Journal of Investigative Dermatology, 2001, 117, 52-58.	0.7	40
53	Microbial-driven preterm labour involves crosstalk between the innate and adaptive immune response. Nature Communications, 2022, 13, 975.	12.8	38
54	The paradoxical roles of C1q and C3 in autoimmunity. Immunobiology, 2016, 221, 719-725.	1.9	37

#	Article	IF	Citations
55	Triglyceride-Rich Lipoproteins Modulate the Distribution and Extravasation of Ly6C/Gr1low Monocytes. Cell Reports, 2015, 12, 1802-1815.	6.4	33
56	Increased Positive Selection of B1 Cells and Reduced B Cell Tolerance to Intracellular Antigens in c1q-Deficient Mice. Journal of Immunology, 2007, 178, 2916-2922.	0.8	32
57	Mice lacking C1q or C3 show accelerated rejection of minor H disparate skin grafts and resistance to induction of tolerance. European Journal of Immunology, 2010, 40, 1758-1767.	2.9	32
58	Bacillus anthracis Spore Surface Protein BclA Mediates Complement Factor H Binding to Spores and Promotes Spore Persistence. PLoS Pathogens, 2016, 12, e1005678.	4.7	30
59	Reversible CD8 T cellâ€“neuron cross-talk causes aging-dependent neuronal regenerative decline. Science, 2022, 376, eabd5926.	12.6	30
60	CD93 regulates central nervous system inflammation in two mouse models of autoimmune encephalomyelitis. Immunology, 2018, 155, 346-355.	4.4	29
61	Intact B cell tolerance in the absence of the first component of the classical complement pathway. European Journal of Immunology, 2001, 31, 2087-2093.	2.9	28
62	Distinct roles for complement in glomerulonephritis and atherosclerosis revealed in mice with a combination of lupus and hyperlipidemia. Arthritis and Rheumatism, 2012, 64, 2707-2718.	6.7	21
63	Cloning of the mouse homolog of the 126-kDa human C1q/MBL/SP-A receptor, C1qR p. Mammalian Genome, 1999, 10, 789-793.	2.2	20
64	Monocytosis and accelerated activation of lymphocytes in C1q-deficient autoimmune-prone mice. Immunology, 2004, 113, 80-88.	4.4	19
65	CD55 deposited on synovial collagen fibers protects from immune complex-mediated arthritis. Arthritis Research and Therapy, 2015, 17, 6.	3.5	19
66	C1q Modulates the Response to TLR7 Stimulation by Pristane-Primed Macrophages: Implications for Pristane-Induced Lupus. Journal of Immunology, 2016, 196, 1488-1494.	0.8	18
67	Human Factor H Domains 6 and 7 Fused to IgG1 Fc Are Immunotherapeutic against Neisseria gonorrhoeae. Journal of Immunology, 2018, 201, 2700-2709.	0.8	18
68	Serum amyloid P component is an essential element of resistance against Aspergillus fumigatus. Nature Communications, 2021, 12, 3739.	12.8	18
69	Complement C3 Exacerbates Imiquimod-Induced Skin Inflammation andÂPsoriasiform Dermatitis. Journal of Investigative Dermatology, 2017, 137, 760-763.	0.7	16
70	C3 Drives Inflammatory Skin Carcinogenesis Independently of C5. Journal of Investigative Dermatology, 2021, 141, 404-414.e6.	0.7	16
71	C1q deficiency promotes the production of transgenic-derived IgM and IgG3 autoantibodies in anti-DNA knock-in transgenic mice. Molecular Immunology, 2008, 45, 787-795.	2.2	13
72	C1q enhances cone photoreceptor survival in a mouse model of autosomal recessive retinitis pigmentosa. European Journal of Human Genetics, 2012, 20, 64-68.	2.8	13

#	Article	IF	Citations
73	Th1 responses in vivo require cell-specific provision of OX40L dictated by environmental cues. Nature Communications, 2020, 11, 3421.	12.8	13
74	Altered expression of signalling lymphocyte activation molecule receptors in T-cells from lupus nephritis patientsâ€"a potential biomarker of disease activity. Rheumatology, 2017, 56, 1206-1216.	1.9	12
75	Identification and Characterization of a Lupus Suppressor 129 Locus on Chromosome 3. Journal of Immunology, 2010, 184, 6256-6265.	0.8	11
76	Complement receptor 3 mediates renal protection in experimental C3 glomerulopathy. Kidney International, 2016, 89, 823-832.	5.2	7
77	Intranasal peptideâ€induced tolerance and linked suppression: consequences of complement deficiency. Immunology, 2015, 144, 149-157.	4.4	5
78	Effect of irradiation/bone marrow transplantation on alveolar epithelial type II cells is aggravated in surfactant protein D deficient mice. Histochemistry and Cell Biology, 2017, 147, 49-61.	1.7	5
79	Efficient clearance of opsonised apoptotic cells in the absence of PECAM-1. Molecular Immunology, 2007, 44, 1135-1140.	2.2	4
80	Immune gene expression and functional networks in distinct lupus nephritis classes. Lupus Science and Medicine, 2022, 9, e000615.	2.7	3
81	Phosphatidylserine receptor and apoptosis: consequences of a non-ingested meal. Arthritis Research, 2004, 6, 147.	2.0	2
82	Genetic Manipulation. , 2006, , 563-589.		0
83	A1.69â€…C1Q is absolutely required for disease development in experimental arthritis. Annals of the Rheumatic Diseases, 2014, 73, A30.1-A30.	0.9	0
84	252â€ƒExamining the modulatory effects of anti-serine protease antibodies upon factor Xa, thrombin and complement interactions. Rheumatology, 2018, 57, .	1.9	0
85	AB1035â€…MAFB-VARIANTS IN MULTICENTRIC CARPOTARSAL OSTEOLYSIS WITH NEPHROPATHY DO NOT SEEM TO AFFECT SERUM C1Q CONCENTRATION. , 2019, , .		0
86	The Studies in Various Murine Strains with Defects in Activation of Complement Cascade (CC) Reveal Both Pivotal and Pleiotropic Role of CC in Mobilization of Hematopoietic Stem/Progenitor Cells.. Blood, 2007, 110, 774-774.	1.4	0
87	Accelerated Atherosclerosis in Low Density Lipoprotein Receptor Deficient Mice Lacking the Membrane Complement Regulator CD59. FASEB Journal, 2008, 22, 902.1.	0.5	0
88	Decayâ€Accelerating Factor plays a critical atheroprotective role in Low Density Lipoprotein deficient (ldlrâ^'/â^') mice. FASEB Journal, 2008, 22, 902.2.	0.5	0